

ABSTRACT

A liquid crystal display device having a sound output function. A sound output function can be added to a liquid
5 crystal device having a light source while suppressing increase of the external size. The liquid crystal display device includes a liquid crystal layer sandwiched between a first substrate (11) and a second substrate (12) which oppose to each other, an FPC (16) connected to a brim portion of the second
10 substrate (12), a light guide plate (20), and an LED (30). An excitation source (30) is arranged at a portion corresponding to the back side of the FPC connection portion on the second substrate (12). The excitation source (30) deflects and vibrates the second substrate (12) of the liquid crystal
15 display panel according to a sound signal from outside. That is, the second substrate (12) is used as a vibration plate for output of a sound. The present invention can preferably be used for a liquid crystal module especially used in mobile devices such as a mobile telephone and a PDA.